

Title (en)  
IMPROVED LINE ACCUMULATING DEVICE

Publication  
**EP 0096833 B1 19871209 (EN)**

Application  
**EP 83105596 A 19830607**

Priority  
JP 10011182 A 19820610

Abstract (en)  
[origin: EP0096833A2] A device for accumulating a thin fiber, such as an optical fiber. Line accumulating members are provided around which a fiber is drawn and wound. The fiber is diverted from its path by a plurality of guide wheels, one or more of which are attached to a shaft which causes the guide wheels to rotate about the line accumulating members. At the same time, the guide wheels which wind the fiber are caused to move laterally relative to the line accumulating members to evenly distribute the fiber around the line accumulating members. This is accomplished by mechanically coupling the assembly for laterally moving the guide wheels to the assembly which rotates them about the line accumulating members. The device is designed to accomplish this while the line accumulating members are fixed to the body of the device. This results in a line accumulating device which is compact and simple.

IPC 1-7  
**B65H 51/22**; **B65H 51/20**

IPC 8 full level  
**C03B 37/027** (2006.01); **B65H 51/20** (2006.01); **B65H 51/22** (2006.01); **C03B 37/03** (2006.01); **G02B 6/00** (2006.01); **G02B 6/04** (2006.01); **G02B 6/44** (2006.01)

CPC (source: EP KR)  
**B65H 51/20** (2013.01 - EP KR); **C03B 37/03** (2013.01 - KR); **C03B 37/032** (2013.01 - EP); **C03B 37/035** (2013.01 - EP)

Cited by  
CN112279007A; US4641794A; US4986484A

Designated contracting state (EPC)  
AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0096833 A2 19831228**; **EP 0096833 A3 19850327**; **EP 0096833 B1 19871209**; AT E31285 T1 19871215; DE 3374859 D1 19880121; JP S58216206 A 19831215; JP S6235979 B2 19870805; KR 840005221 A 19841105; KR 890003940 B1 19891013

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